SBR No. 71/18-19
DATED 23-11-18

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR.No. 107/18-19 Dt. 23-11-18.

Date 2010

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Job Code :-004-19-000001

Schedule Docket No. Head of Account : P – 0190 Mayor Grants. D.R.No.

Name of Work. Providing Energy Saving LED Street Lights in Allalsandra Main road A Sector 80 Ft Road and Surrounding area in Ward No 4.

Name of Contractor and Full Address:- M/s Technical Manager KRIDL BBMP Bengaluru.

Reference to Agreement No:EE/Ele/YZ/WO/000036/2018-19 Date:- 09-10-2018

Certified that the measurements were taken by me on 17/11/2018 and recorded of Pages 256272 to 6286 of measurement Book No. 2563/18-19 and that the work is satisfactorily executed.

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Officer-in-charge of work

Certified that the measurement were taken by me on ..17/11/18..... and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Bill = 7499090=00
2) Deduct amount to be held in reserve being .....percent Rs.....	IT 2% 149982=00
3) " Balance	Cess 1% 74991=00
4) Deduct Payment:	cess 1% 74991=00
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	LWC 1% 74991=00
	CBF 0.1% 7499=00
b) Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	FBD 7.5% 562432=00
	deductions= 944886=00
5) Balance being unpaid value of work done held in reserve.	Cheque = 6554204=00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7) Net amount due to or from Contractor unadjustments items.	
8) Advance to Contractor for materials brought to site (as detailed) within.	
9) Value of Government materials supplied. Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
(For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No. ..Dated.....

Cash Rs.....

Dated.....Initials of Officer making payment

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Stamp

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P0190 Hon Mayor grants

ರೂ: 7499090=00 ಅಂಗೀಕರಿಸಿ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

ರೂ: 6554204=00 ಮೊತ್ತ ನೀಡಲು ಹುದಾಗಿದೆ

ರೂ: 944886=00 ಹೊರಡಾಣಿಕೆ ಮಾಡಿದೆ

Executive Engineer

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು

ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No	Description of Item	Unit
	Name Of Work:- Providing Energy Saving LED Street Lights in Allalsandra Main road A Sector 80 Ft Road and Surrounding area in Ward No 4.	
1	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II. 90 Watts	Nos
2	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe	Nos
3	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded Aluminium unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	Mtrs
4	Fixing halogen/ metal hallide /SVL/IL/LED flood light fittings over existing pole/ wall ceiling including clamps bolts nuts and wiring using sitable capacity wires	Nos
5	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	Nos
6	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	Nos
7	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Mtrs
8	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A2 X 25 + 1 X 25 SQ.MM	Per Mtr
9	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	Per Mtr
10	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	Mtrs
11	1.1 KV Pin Insulator	Nos
12	2 Pin Crossarm 45x45x5mm -510mm	Nos
13	No. 8 Strain Insulator	Nos
14	Open Conduit Systeme: Supplying heavy gauge PVC conditpipe,,,,,,,,,, dia confirming to IS 2509 with suitable size bends,junction boxes, adhesibve paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or plug incase of brick walls and cement plastering damaged portionusing heavy gauge saddles at an interval of 700mm using NF screws.c)25mm dia 2mm thick	Per Mtr
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel	Nos
	Total Rs	
	Add KRIDL Charges 11%	
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		201	31250.00	6281250.00	201	6281250.00	
		193	893.00	172349.00	193	172349.00	
		746	7.50	5595.00	746	5595.00	
		100	176.00	17600.00	100	17600.00	
		30	2178.00	65340.00	30	65340.00	
		30	4044.00	121320.00	30	121320.00	
		10	263.00	2630.00	10	2630.00	
		248	143.00	35464.00	248	35464.00	
		248	10.30	2554.40	248	2554.40	
		996	30.00	29880.00	996	29880.00	
		30	44.00	1320.00	30	1320.00	
		30	306.00	9180.00	30	9180.00	
		35	14.00	490.00	35	490.00	
		147	54.00	7938.00	147	7938.00	
		147	20.59	3026.73	147	3026.73	
				6755937.13		6755937.13	
				743153.0843		743153.0843	
				7499090.21		7499090.21	